

Title (en)  
Surge protected power supply

Title (de)  
Überspannungssichere Stromversorgung

Title (fr)  
Alimentation protégée contre la surtension

Publication  
**EP 2345947 A3 20120704 (EN)**

Application  
**EP 11002330 A 20071231**

Priority  
• EP 07255090 A 20071231  
• US 80723007 A 20070525  
• US 92116207 P 20070330

Abstract (en)  
[origin: EP1975759A1] An overvoltage protection circuit for protecting a pass element (45-45'') in a controlled voltage supply circuit electrically connected between a circuit power supply interconnection terminal region (12) suited for electrical connection to a circuit power supply and an output terminal (14), the pass element being protected from voltage surges that may occur on the circuit power supply interconnection (12) with respect to a voltage reference interconnection (11). A voltage reference (18) is provided electrically connected in series with a voltage divider (16, 17) between the circuit power supply interconnection (12) and the voltage reference interconnection (11). A threshold switch (50) is electrically connected to a corresponding one of the voltage divider output and one of the voltage divider terminating regions, and has an output coupled to the pass element control region.

IPC 8 full level  
**G05F 1/571** (2006.01); **H03K 17/08** (2006.01)

CPC (source: EP US)  
**G05F 1/571** (2013.01 - EP US)

Citation (search report)  
• [I] EP 0294887 A2 19881214 - PHILIPS ELECTRONICS UK LTD [GB], et al  
• [A] DE 10144591 A1 20030403 - SEMIKRON ELEKTRONIK GMBH [DE]  
• [A] US 3931546 A 19760106 - JAKOBS HANS, et al  
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• [A] US 5838526 A 19981117 - ISHIKAWA FUKUO [JP], et al  
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US 2008239604 A1 20081002; US 7869176 B2 20110111

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